

RECOMMENDED LIST OF SUGAR BEET VARIETIES 2020

(Based on trials from 2016-2018)

RZ1 RHIZOMANIA VARIETIES				BTS 860	Sabatina KWS	Cantona KWS	Cayman	Hornet	Firefly	Haydn	Daphna	BTS 1140	Kortessa KWS	Advena KWS	Lightning	BTS 4100	Vixen	BTS 3325	Conger	Puffin	Degas	Flixter	Gauguin	Philina KWS	Smart Janninka KWS
Status: (C) = control variety ¹				R	R (C)	R	R (C)	R (C)	R	R	PR3	PR2	PR2	PR1	PR1	PR1	PR1	PR3	PR1	PR1	PR3	PR2	PR2	PS2	PS1
AYPR/BCN/ALS as claimed by the Breeder				-	-	BCN	-	-	-	-	BCN	-	-	-	-	-	-	-	-	-	-	BCN	BCN	AYPR	ALS
CROP YIELDS		MEAN	Control Value																						
Adjusted Tonnes % of C=100% ²	112.0 t/ha	100.0	102.1	102.0	101.8	99.4	99.3	97.9	97.9	105.4	104.9	104.7	104.0	102.6	101.8	101.6	101.5	101.3	100.9	100.1	99.1	99.0	102.7	90.1	
Sugar Yield % of C=100% ²	17.1 t/ha		101.9	102.1	101.5	99.3	99.1	97.8	97.8	105.6	104.9	104.8	103.9	103.0	101.5	101.6	101.3	101.4	100.9	99.9	99.7	99.1	102.8	90.2	
Root Yield % of C = 100% ²	95.1 t/ha		100.5	102.8	100.0	99.0	97.9	97.6	97.3	106.6	104.8	105.4	102.4	105.2	98.8	102.1	99.8	101.7	101.1	98.6	102.8	99.8	102.9	90.1	
Sugar Content %	17.9%		18.2	17.8	18.2	18.0	18.2	18.0	18.1	17.8	18.0	17.9	18.2	17.6	18.4	17.9	18.2	17.9	17.9	18.2	17.4	17.8	17.9	18.0	
BOLTERS per 100,000 plants/ha	MEAN	95% lsd	99.9% lsd																						
"X" Unsuitable for sowing BEFORE Mid March				X	X	X	-	-	-	-	-	X	-	-	X	-	-	-	-	-	X	-	-	X	X
Early Sowing, on or before 5 March ³	2,141/ha	3,365	4,459	3,831	3,406	4,000	1,443	3,064	1,891	1,667	2,882	5,138	2,573	2,475	4,495	2,062	1,692	2,606	2,776	2,048	3,688	3,325	1,455	9,023	3,375
Normal Sowing	16/ha	64	98	26	23	57	19	26	16	30	84	30	0	0	9	0	0	19	0	0	40	14	14	54	0
PRE-GAPPING ESTABLISHMENT ⁴																									
Control	100%		101.4	98.6	99.5	100.3	101.5	100.3	99.9	99.0	99.7	99.5	96.7	100.6	97.8	98.7	97.9	96.3	100.4	100.3	99.2	98.3	99.8	96.2	
DISEASE (1 = high leaf infection, 9 = very low leaf infection) ⁵																									
Rust	5.4		5.6	5.8	5.9	5.0	6.3	3.2	4.8	5.7	(4.7)	(7.9)	(5.0)	(7.1)	(4.9)	(7.6)	5.3	(5.8)	(3.5)	5.2	2.2	(3.4)	(4.1)	(4.8)	
RL SYSTEM																									
Year First Listed			2016	2015	2016	2011	2014	2016	2013	2017	2018	2018	2019	2019	2019	2019	2017	2019	2019	2017	2016	2018	2018	2019	
BREEDER/UK CONTACT ⁶																									
Breeder			BTS	KWS	KWS	SV	SV	SV	STR	KWS	BTS	KWS	KWS	SV	BTS	SV	BTS	SV	SV	STR	MH	STR	KWS	KWS	
UK Agent			LG	KWS	KW	SV	SV	SV	STR	KWS	LG	KWS	KWS	SV	LG	SV	LG	SV	SV	STR	MH	STR	KWS	KWS	

Mean of control values include KWS Salamanca and Aurora which are no longer listed.

1. Newly listed varieties (PR1/PS1) have results from three years using approximately 2 kg breeders' seed. Thereafter commercial seed should be used in RL trials.

2. Yields based on an average plant population of 106,000 plants/ha in these trials. Differences in yields of less than 4% should be treated with reserve.

3. The bolters from normal sowings are applicable for sowing after mid-March in most seasons.

4. Differences of 4% or less in the variety establishment scores are not statistically significant.

5. Observations taken from inoculated trials not taken to yield.

6. BTS = Betaseed, KWS = KWS UK Ltd, LG = Limagrain UK Ltd, STR = Strube Sugar Beet UK Ltd, SV = SESVanderHave UK Ltd, MH = MariboHilleshog

() = Limited data. Full dataset available at www.bbco.co.uk